

ABSTRACT**A Cellular Radio Communications System**

5 A cellular radio communication system for transmitting
blocks of data over transmission links in which the quality
of the transmission links are monitored. The system
comprises a data storage means for storing sets of
modulation scheme and forward error correction coding
10 level pairs to give an optimum data rate at a
predetermined bit error rate and a predetermined symbol
rate for different quality transmission links. The database
is interrogated and a modulation scheme and forward error
correction coding level pair is allocated and applied to the
15 blocks of data transmitted over a transmission link
dependent on the monitored quality of the transmission
link.

Figure 10.